REMARKS

Claims 28 and 29 have been amended to correct typographical errors. In order to provide additional clarity for the Examiner, the amended claims that do not show the nature of the amendments are set forth in Attachment A.

Respectfully submitted,

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28.   A method as recited in claim 26, wherein said independent capacitive component is calculated according to the equation

$$C_X = -V_1 \sin \phi / (2\pi f \, R_S \, V_2)$$

wherein:

C_X is the value of the independent capacitive component

V_1 is the amplitude of the applied voltage

V_2 is the amplitude of the voltage across the electrodes

f is the frequency of the applied voltage

ϕ is the phase angle between the voltages V_1 and V_2

R_S is the resistance connected in series.

39.   A method as recited in claim 36, wherein said independent capacitive component is calculated according to the equation

$$C_X = -V_1 \sin \phi / (2\pi f \, R_S \, V_2)$$

wherein:

C_X is the value of the independent capacitive component

V_1 is the amplitude of the applied voltage

V_2 is the amplitude of the voltage across the electrodes

f is the frequency of the applied voltage

ϕ is the phase angle between the voltages V_1 and V_2

R_S is the resistance connected in series.